

Cranfield Environment Centre

Publications List

Maps and Books

Technical and Research Reports

Digital Data and Software

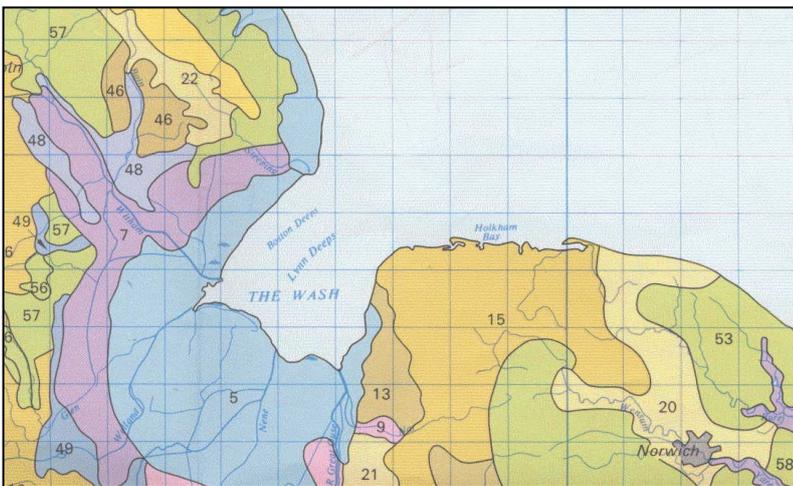


Soil Maps, Books and Information Resources

All of the Cranfield Environment Centre's (CEC) printed maps and associated books have been categorised into national, regional and local sectors. When deciding which map will be most suitable, the main consideration should be the purpose for which it will be used, as the intricacy of soil mapping varies between large and small scale maps. The patterns of the different soils are extremely complex and are more difficult to represent on smaller scale maps. The level of soil mapping detail required will therefore determine the most suitable map scale and the necessary map and/or book.

National Scale

The national scale maps are representative of England and Wales and are useful for viewing the country on a regional basis.



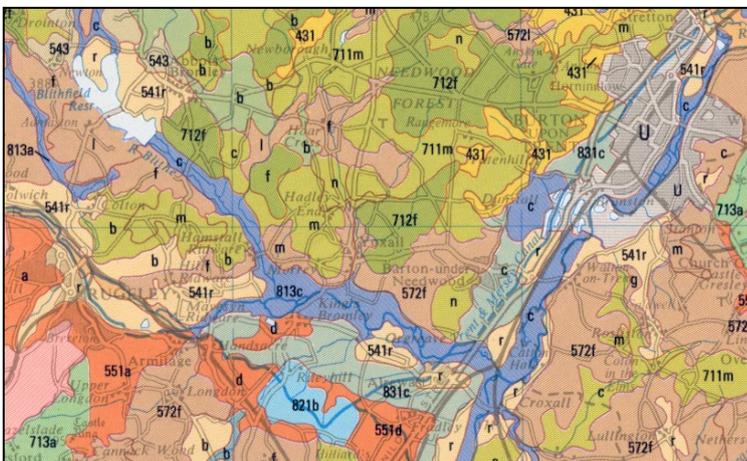
The 1:1,000,000 and 1:625,000 maps available clearly illustrate the soil type distribution and are useful for planning and educational purposes.

The legends printed on the 1:1,000,000 scale soil maps list the dominant soil group, map symbol, associated soil groups, parent material, relief, land use and characteristics of dominant and associated soils.

(1:1 000 000)

Regional Scale

The National Soil Map is available in six sheets covering England and Wales at a regional scale of 1:250,000. The associated regional Bulletin adds valuable information and is designed to meet the needs of readers with a deeper interest in soils of the region.



The provision of keys, profile descriptions and references will help those who require more specific information on soils.

The contents provided in the Bulletin include a description of region, soil background, soil formation, soil classification, detailed description of the soil associations, land drainage and agricultural and forestry interpretations.

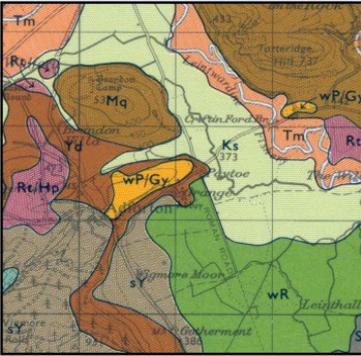
(1:250,000)

Local Scale

The local maps cover smaller areas in much greater detail. These larger-scale maps are suitable for more accurate and precise analyses and are useful for fieldwork, orienteering, research purposes and farm, woodland, estate and nature reserve management.

Maps are available at: 1:25,000, 1:50,000, 1:63,360 (1" to 1 mile), 1:100,000 and 1:250,000 scales.

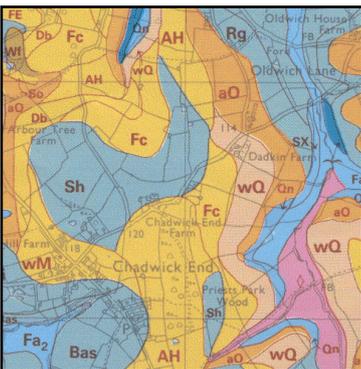
1:63,360



From 1939 to 1966, mapping was carried out at a scale of 1:63,360 (1" to 1 mile). The areas mapped were selected to represent typical landscape types, soil problems, complexity of soil pattern and land use.

About 10% of England and Wales is mapped at this scale. Each map sheet covers 663 km² and 25 of these sheets have been published.

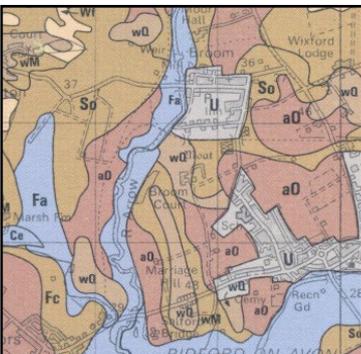
1:25,000



Between 1966 and 1979, mapping was carried out at a 1:25,000 scale. More than 100 of these maps have been published together with accompanying books.

The distribution of the areas selected corresponds with the Ordnance Survey 10x10km 1:25,000 series. Mapping at this scale clearly relates soil type to individual fields depicted on the base map. The choice of mapped areas was based on their pedological, geomorphological and scientific agricultural interest, to represent wider districts with similar environments.

1:50,000



The period 1983 to 1985 resulted in the publication of five 1:50,000 maps, each of 1,600 km².

The mapping procedures employed were similar to those used earlier for other local maps. However, the average density of observations was reduced proportionally. These maps were published with accompanying descriptive memoirs.

The books associated with these local maps supply information regarding the map region and detail aspects such as geology, soil parent materials, relief and drainage, climate, soil survey methods, soil classification, soil map units, agriculture and land use. The numerous soil series in the area are discussed at length.

National Scale

1:1,000,000 scale, coloured	Book / map reference	Book with map(s)	Map sold separately
Land Use Capability map of England and Wales: folded or flat			£12
Estimation of Run-off Potential of River Catchments from Soil Survey by F.A.K. Farquharson, D. Mackney, M.D. Newson and A.J. Thomasson Winter Rain Acceptance Potential, England and Wales: folded or flat	SS11	£22	£12
Soil Suitability for Grassland, England and Wales: folded or flat			£12
Accumulated Temperature, England and Wales: folded or flat	TM15*	£35	£12
Average Maximum Potential Cumulative Soil Moisture Deficit, England and Wales: folded or flat	TM15*	£35	£12
Wind Exposure, England and Wales: folded or flat	TM15*	£35	£12
1:1,000,000 scale, outline			
Soil map of England and Wales: flat. Shop soiled copies only			£8
Median Accumulated Temperature above 0°C January to June: flat	TM16#	£35	£12
Mean Maximum Potential Soil Moisture Deficit: folded or flat	TM16#	£35	£12
Mean Potential Soil Moisture Deficit, Adjusted for Winter Wheat: flat	TM16#	£35	£12
Median Duration of Field Capacity: folded or flat	TM16#	£35	£12
1:625,000 scale, coloured			
Soil Associations of the West Midlands: folded			£12
Bioclimatic Classification, England and Wales: folded or flat	TM15*	£35	£12
Risk of Soil Erosion in England and Wales, by Water on Land under Winter Cereal Cropping: folded or flat			£22
Lowland Peat in England and Wales: Ed. R.G.O. Burton and J.M. Hodgson 1:100,000 outline map, Lowland Peat in England and Wales	SS15	£36	£18

*# See table below

Associated books	Book / map reference	Book with map(s)
Climatic Classification of England and Wales by V.C. Bendelow and R. Hartnup (with four maps)	TM15	£35
An Agroclimatic Databank for England and Wales by R.J.A. Jones and A.J. Thomasson (with four maps)	TM16	£35

Regional Scale

	Book / map reference	Book	Map
Soils and their use in Northern England (Cleveland, Cumbria, Durham, Humberside, Northumberland, North Yorkshire, Tyne and Wear, South Yorkshire, West Yorkshire) Northern England: flat or folded, 1:250,000 scale	B10 1	£55	£18
Soils and their use in Wales (Clwyd, Dyfed, Gwent, Gwynedd, Mid Glamorgan, Powys, South Glamorgan, West Glamorgan) Wales: flat or folded, 1:250,000 scale	B11 2	£55	£18
Soils and their use in Midland and Western England (Cheshire, Derbyshire, Greater Manchester, Hereford and Worcester, Lancashire, Leicestershire, Merseyside, Nottinghamshire, Shropshire, Staffordshire, Warwickshire, West Midlands) Midland and Western England: flat or folded, 1:250,000 scale	B12 3	£55	£18
Soils and their use in Eastern England (Bedfordshire, Cambridgeshire, Essex, Hertfordshire, Lincolnshire, Norfolk, Northamptonshire, Suffolk) Eastern England: flat, 1:250,000 scale	B13 4	£55	£18
Soils and their use in South West England (Avon, Cornwall, Devon, Dorset, Gloucestershire, Somerset, Wiltshire) South West England: flat, 1:250,000 scale	B14 5	£55	£18
Soils and their use in South East England (Berkshire, Buckinghamshire, East Sussex, Hampshire, Isle of Wight, Kent, Oxfordshire, Surrey, West Sussex) South East England: 1:250,000 scale	B15 6	£55	£18 Please note this is a print that we plot out for you, as all our stock of the original pre-printed maps have gone.

Other	Book / map reference	Book	Map
Included with each of the above maps is one copy of the national soil legend booklet. Additional soil legends, flat or booklet		£5	
1:250,000 national soil map, atlas set as flat sheets.	1-6		£85 map set, plus legend

Local Scale

Avon	Book / map reference	Book with map(s)	Map sold separately
Soils of the Southern Cotswolds by D.C. Findlay 1:63,360 coloured soil map (Malmesbury and Bath)	M22 251 and 265	£40	£18
Bedfordshire			
Soils in Bedfordshire I (Biggleswade) by P.S. Wright 1:25,000 outline soil map	R112 TL14	£20	£12
1:63,360 outline soil map (Bedford and Luton)	147		£18
Berkshire			
Soils of Berkshire by M.G. Jarvis, J. Hazelden and D. Mackney 1:250,000 coloured soil map 1:250,000 outline land use capability map	B8	£42	£18 £12
Soils of the Reading District by R.A. Jarvis 1:63,360 coloured soil map	M13 268	£40	£18
Soils of the Wantage and Abingdon District by M.G. Jarvis 1:63,360 coloured soil map 1:63,360 coloured land use capability map	M20 253 “	£40	£18 £18
Buckinghamshire			
Soils in Buckinghamshire/Berkshire I (Marlow) by D. Mackney 1:25,000 outline soil map 1:25,000 outline land use capability map	R92 SU88 “	£29	£12 £12
Cambridgeshire			
Soils of the district around Cambridge by C.A.H. Hodge and R.S. Seale 1:63,360 coloured soil map (Cambridge)	M8 188	£40	£18
Soils of the Ely District by R.S. Seale 1:63,360 coloured soil map	M21 173	£40	£18
Soils of the Chatteris District by R.S. Seale 1:10 560 aerial mosaic base maps (Chatteris)	SS9 TL38 NW, NE, SW, SE	£36	£7 each
Soils of the Cambridge and Ely District by R.S. Seale and C.A.H. Hodge 1:63,360 outline soil map	SS10 135	£40	£18
Soils in Cambridgeshire I (Stilton) by R.G.O. Burton and R.S. Seale 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R65 TL18E/28W “	£39	£18 £18
Soils in Cambridgeshire II (Barnack) by R.G.O. Burton 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R69 TF00E/10W “	£39	£18 £18
Soils in Cambridgeshire III (Linton) by R.G.O. Burton 1:25,000 outline soil map	R94 TL54	£20	£12
Soils in Cambridgeshire IV (Royston) by R.S. Seale 1:25,000 outline soil map	R105 TL34	£20	£12
Soils in Cambridgeshire V (Papworth Everard) by P.S. Wright 1:25,000 outline soil map	R109 TL26	£20	£12
Cheshire			
Soils of Cheshire by R.R. Furness 1:250,000 coloured soil map	B6	£42	£12
Soils of the Liverpool District by G.R. Beard, T.R.E. Thompson and J.W. Lea 1:50 000 coloured soil map	M25 108	£40	£18
Soils in Cheshire I (Crewe West) by R.R. Furness 1:25,000 outline soil map	R5 SJ65	£24	£12

Soils in Cheshire II (Ellesmere Port) by R. R. Furness and S.J. King 1:25,000 outline soil map	R17 SJ37	£24	£12
Cheshire (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in Cheshire III (Burwardsley) by S.J. King 1:25,000 outline soil map	R43 SJ45E/55W	£28	£12
Clwyd			
Soils and Land Use of the District around Rhyl and Denbigh by D.F. Ball 1:63,360 coloured soil map (Rhyl) 1:63,360 coloured soil map (Denbigh)	M4 95 107	£40	£18 £18
Soils in Clwyd I (Wrexham North) by J.W. Lea and T.R.E. Thompson 1:25,000 outline soil map	R48 SJ35	£24	£12
Soils in Clwyd II (Holywell) by T.R.E. Thompson 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R50 SJ17 “	£39	£18 £18
Soils in Clwyd III (Llangollen) by J.W. Lea 1:25,000 outline soil map	R86 SJ24	£24	£12
Cornwall			
Soils in Cornwall I (Camelford) by S.J. Staines 1:25,000 outline soil map 1:25,000 outline land use capability map	R34 SX18 “	£33	£12 £12
Soils in Cornwall II (Hayle) by S.J. Staines 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R57 SW53 “	£39	£18 £18
Soils in Cornwall III (The Lizard) by S.J. Staines 1:25,000 coloured soil map	R79 SW61, 71, parts of 62, 72, 81, 82	£39	£18
Soils of North East Dartmoor by T.R.Harrod 1:25,000 coloured soil map	R17 SX68/78	£0	£0
Cumbria			
Soils in Westmorland I (Sedgwick) by R.R. Furness and S.J. King 1:25,000 outline soil map	R10 SD58	£24	£12
Soils in Cumbria I (Penrith) by B. Matthews 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R46 NY53 “	£39	£18 £18
Soils in Cumbria II (Longtown) by I.N.L. Kilgour 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R59 NY36/37S “	£39	£18 £18
Soils in Cumbria III (Brampton) by I.N.L. Kilgour 1:25,000 coloured soil map	R83 NY56	£26	£18
Soils in Cumbria IV (Abbey Town) by B. Matthews 1:25,000 outline soil map	R84 NY14/15	£24	£12
Derbyshire			
Soils and Land Use of the District North of Derby by E.M. Bridges 1:63,360 coloured map (Derby)	M9 125	£40	£18
Soils in Derbyshire II (Melbourne) by M.J. Reeve 1:25,000 outline soil map	R27 SK32E/42W	£28	£12
1:25,000 outline soil map (Tideswell) 1:25,000 outline land use capability map	SK17 “		£12 £12
Devon			
Soils of the Exeter District by B. Clayden 1:63,360 coloured soil map (Exeter and Newton Abbot)	M16 325 and 339	£40	£18

Soils of the Middle Teign Valley District by B. Clayden 1:25,000 coloured soil map	B1 part of SX78, 79, 88, 89	£42	£12
Soils in Devon I (Honiton) by T.R. Harrod 1:25,000 outline soil map 1:25,000 outline land use capability map	R9 ST10 “	£33	£12 £12
Soils in Devon II (Ivybridge) by T.R. Harrod, D.V. Hogan and S.J. Staines 1:25,000 outline soil map 1:25,000 outline land use capability map	R39 SX65 “	£33	£12 £12
Devon (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in Devon III (Tavistock) by D.V. Hogan 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R44 SX47 “	£35	£18 £18
Soils in Devon IV (Holsworthy) by T.R. Harrod 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R47 SS30 “	£35	£18 £18
Soils in Devon V (Chulmleigh) by T.R. Harrod 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R70 SS61 “	£39	£18 £18
Soils in Devon VI (Brayford) by D.V. Hogan 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R71 SS63 “	£35	£18 £18
Soils in Devon VII (Lynton) by D.V. Hogan and T.R. Harrod 1:25,000 coloured soil map	R78 SS74	£30	£18
Soils in Devon VIII (Culm Valley) by D.V. Hogan 1:25,000 outline soil map	R110 ST01	£20	£12
Dyfed			
Soils of North Cardiganshire by C.C. Rudeforth 1:63,360 coloured soil map (Aberystwyth) 1:63,360 coloured soil map (Llanilar)	M15 163 178	£40	£18 £18
Soils, Land Classification and Land Use of West and Central Pembrokeshire by C.C. Rudeforth and R.I. Bradley 1:250,000 dot maps, West and Central Pembrokeshire soil and land use (four maps)	SS6	£22	£7
Soils in Dyfed I (Llangendeirne) by B. Clayden and G.D. Evans 1:25,000 outline soil map	R20 SN41	£24	£12
Soils in Dyfed II by C.C. Rudeforth 1:25,000 outline soil map (Pembroke) 1:25,000 outline soil map (Haverfordwest)	R24 SM90 SM91	£35	£12 £12
Soils in Dyfed III (Eglwysrwrw) by R.I. Bradley 1:25,000 outline soil map	R38 SN13	£24	£12
Soils in Dyfed IV (Llandeilo) by P.S. Wright 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R61 SN62 “	£39	£18 £18
Soils in Dyfed V (Llechryd) by R.I. Bradley 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R63 SN24 “	£35	£18 £18
Soils in Dyfed VI (Llangadog) by P.S. Wright 1:25,000 coloured soil map	R74 SN72	£26	£18
Soils in Dyfed VII (Llanelli North) by P.S. Wright 1:25,000 outline soil map	R85 SN50	£24	£12

Essex			
Soils of Essex I (Harold Hill) by R.G. Sturdy 1:25,000 outline soil map 1:25,000 outline land use capability map 1:25,000 outline soil drainage map	R7 TQ59 " "	£43	£12 £12 £12
Soils in Essex II (Burnham-on-Crouch) by R.G. Sturdy 1:25,000 outline soil map 1:25,000 outline land use capability map	R40 TQ99 "	£37	£12 £12
Soils in Essex III (Little Waltham) by R.H. Allen and R.G. Sturdy 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R62 TL71 "	£39	£18 £18
Soils in Essex IV (Weeley) by R.G. Sturdy and R.H. Allen 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R67 TM12 "	£39	£18 £18
Essex (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in Essex V (Halstead) by R.H. Allen and R.G. Sturdy 1:25,000 outline soil map	R95 TL83	£20	£12
1:63,360 outline soil map (Saffron Walden)	148		£18
Glamorgan			
Soils of the Vale of Glamorgan by C.B. Crampton 1:63,360 coloured map (Bridgend) 1:63,360 coloured map (Cardiff)	M18 261/2 263	£40	£18 £18
Gloucestershire			
Soils of the Southern Cotswolds by D.C. Findlay 1:63,360 coloured map (Malmesbury and Bath)	M22 251 and 265	£40	£18
Soils in Gloucestershire I (Norton) by D.W. Cope 1:25,000 outline soil map	R13 SO82	£24	£12
Soils in Gloucestershire II (Stow-on-the-Wold) by F.M. Courtney and D.C. Findlay 1:25,000 coloured soil map	R52 SP12	£26	£18
Soils in Gloucestershire III (Cinderford) by G.J.N. Colborne 1:25,000 coloured soil map	R73 SO61	£30	£18
Soils in Gloucestershire IV (Newent) by D.W. Cope 1:25,000 outline soil map	R93 SO72	£24	£12
Greater Manchester			
Soils of the Liverpool District by G.R. Beard, T.R.E. Thompson and J.W. Lea 1:50 000 coloured soil map	M25 108	£40	£18
Gwynedd			
County of Anglesey, Soils and Agriculture, by E. Roberts 1:63,360 coloured map, Anglesey	M3 106	£40	£18
Soils and Land Use of the District around Bangor and Beaumaris by D.F. Ball 1:63,360 coloured soil map (Beaumaris) 1:63,360 coloured soil map (Bangor)	M5 94 106	£40	£18 £18
1:63,360 coloured soil map (Pwllheli)	115		£18
Hampshire			
Soils in Hampshire I (New Alresford) by W.A.D. Whitfield 1:25,000 outline soil map	R116 SU53	£20	£12
Hereford and Worcester			
Soils of Worcester and the Malverns District by G.R. Beard, D.W. Cope, R.J.A. Jones, R.C. Palmer and W.A.D. Whitfield 1:50 000 coloured soil map	M24 150	£40	£18

Soils in Herefordshire I (Hereford South) by J.M. Hodgson and R.C. Palmer 1:25,000 outline soil map	R2 SO53	£24	£12
Soils in Herefordshire II (Ross-on-Wye) by W.A.D. Whitfield 1:25,000 outline soil map	R3 SO52	£20	£12
Soils in Herefordshire III (Staunton-on-Wye) by R.C. Palmer 1:25,000 outline soil map	R11 SO34	£24	£12
Soils in Worcestershire I (Kidderminster) by J.M. Hollis and J. Hodgson 1:25,000 outline soil map	R18 SO87	£24	£12
Soils in Herefordshire IV (Malvern) by R.C. Palmer 1:25,000 outline soil map 1:25,000 outline land use capability map	R36 SO74 “	£29	£12 £12
Soils in Hereford and Worcester I (Worcester) by R.C. Palmer 1:25,000 coloured soil map	R76 SO85/95	£37	£18
Hertfordshire	Book / map reference	Book with map(s)	Map sold separately
1:250,000 coloured soil map			£7
Humberside			
Soils of the Market Weighton District by S.J. King and R.I. Bradley 1:50 000 coloured soil map	M26 106	£40	£18
Soils in Humberside I (Brandesburton) by R.R. Furness 1:25,000 coloured soil map	R82 TA14	£26	£18
Soils in Humberside II (Fridaythorpe) by R.R. Furness and S.J. King 1:25,000 outline soil map	R97 SE85	£20	£12
Kent			
Soils of Kent by S.J. Fordham and R.D. Green 1:250,000 coloured soil map 1:250,000 outline land use capability map 1:250,000 outline map of ease of cultivation classes 1:250,000 outline map of winter rain acceptance potential 1:250,000 outline map of types of soil water regime	B9	£50	£18 £12 £12 £12 £12
Soils in Kent I (Ashford) by R.D. Green and S.J. Fordham 1:25,000 outline soil map 1:25,000 outline land use capability map	R14 TR04 “	£37	£12 £12
Soils in Kent II (Deal) by S.J. Fordham and R.D. Green 1:25,000 outline soil map 1:25,000 outline land use capability map	R15 TR35 “	£33	£12 £12
1:25,000 coloured soil map (Romney Marsh)	parts TQ91, 92, 93, TR01, 02, 03 and 13		£18
Soils in Kent III (Rainham) by S.J. Fordham and R.D. Green 1:25,000 outline soil map 1:25,000 outline land use capability map	R37 TQ86 “	£33	£12 £12
Soils in Kent IV (Paddock Wood) by J. Hazelden and R.D. Green 1:25,000 outline soil map	R99 TQ64	£20	£12
Lancashire			
1:250,000 Lancashire soil association map, 1972 county boundary			£12
Soils of the Preston District of Lancashire by E. Crompton 1:63,360 coloured soil map	M11 75	£40	£18

Soils of the South-west Lancashire Coastal Plain by R. Hall and C J. Folland 1:63,360 coloured soil map (Southport) 1:63,360 coloured soil map (Formby)	M12 74 83	£40	£18 £18
Soils of the Liverpool District by G.R. Beard, T.R.E. Thompson and J.W. Lea 1:50 000 coloured soil map	M25 108	£40	£18
1:63,360 coloured soil map (Blackpool)	66		£18
Leicestershire			
Soils of the Melton Mowbray District by A.J. Thomasson 1:63,360 coloured soil map 1:63,360 coloured land use capability map	M17 142 “	£40	£18 £18
Lincolnshire			
Soils in Lincolnshire I (Woodhall Spa) by J.D. Robson, H. George and F.W. Heaven 1:25,000 outline soil map 1:25,000 outline land use capability map 1:25,000 outline soil drainage map	R22 TF16 “ “	£43	£12 £12 £12
Soils in Lincolnshire II (Sleaford) by H. George and J.D. Robson 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R51 TF04 “	£35	£18 £18
Lincolnshire (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in Lincolnshire III (Donington on Bain) by F.W. Heaven 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R55 TF28 “	£39	£18 £18
Soils in Lincolnshire IV (Friskney) by J.D. Robson 1:25,000 coloured soil map	R88 TF45	£26	£18
Soils in Lincolnshire V (Covenham) by H. George 1:25,000 outline soil map	R100 TF39	£20	£12
Soils in Lincolnshire VI (Kirton in Lindsey) by F.W. Heaven 1:25,000 outline soil map	R102 SK99	£20	£12
Soils in Lincolnshire VII (Old Bolingbroke) by F.W. Heaven 1:25,000 outline soil map	R103 TF36	£20	£12
Soils of the Boston and Spalding District by J.D. Robson 1:50 000 coloured soil map	M27 131	£40	£18
Merseyside			
Soils of the Liverpool District by G.R. Beard, T.R.E. Thompson and J.W. Lea 1:50 000 coloured soil map	M25 108	£40	£18
Norfolk			
Soils of the Ely District by R.S. Seale 1:63,360 coloured soil map	M21 173	£40	£18
Breckland Forest Soils by W.M. Corbett 1:25,000 outline soil map (Swaffham) 1:25,000 outline soil map (Brandon) 1:25,000 outline soil map (Thetford)	SS7 1 2 3	£39	£12 £12 £12
Soils in Norfolk II (Barningham/Sheringham) by W.M. Corbett and W. Tatler 1:25,000 outline soil map 1:25,000 outline land use capability map	R21 TG13/14 “	£33	£12 £12
Soils in Norfolk III (Horning) by W. Tatler and W.M. Corbett 1:25,000 outline soil map 1:25,000 land use capability map	R41 TG31 “	£33	£12 £12

Soils in Norfolk IV (Harleston) by W.M. Corbett 1:25,000 coloured soil map 1:25,000 land use capability map	R60 TM28 “	£36	£18 £18
Soils in Norfolk V (Attlebridge) by D.J. Eldridge 1:25,000 coloured soil map 1:25,000 land use capability map	R64 TG11 “	£35	£18 £18
Soils in Norfolk VI (Caston) by C.A.H. Hodge and D.J. Eldridge 1:25,000 outline soil map	R104 TL99	£20	£12
Soils in Norfolk VII (Helhoughton) by W.M. Corbett 1:25,000 outline soil map	R106 TF82	£20	£12
Soils in Norfolk VIII (Halvergate) by J. Hazelden 1:25,000 outline soil map 1:50 000 outline map, Electrical Conductivity and Dispersion Ratio in Halvergate Marshes, Norfolk	R115 TG40 “	£29	£12 £12
1:100 000 coloured map, Soils of Norfolk: flat copies, shop-soiled folded map			£13 £18
1:25,000 outline soil map (Beccles North) 1:25,000 outline land use capability map 1:25,000 outline soil drainage map	TM49 “ “		£12 £12 £12
Northamptonshire			
Soils in Northamptonshire I (Long Buckby) by M.J. Reeve 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R54 SP66 “	£35	£18 £18
Northumberland			
Soils of the Hexham District by R.A. Jarvis 1:63,360 coloured soil map	M23 19	£40	£18
Northumberland (continued)	Book / map reference	Book with map(s)	Map sold separately
Northumberland Hill Farming Project Area by D.M. Carroll and V.C. Bendelow 1:100 000 coloured map, Northumberland Hill Farming Project Area 1:100 000 outline land use capability map	SS12	£29	£18 £13
Soils of Northumberland I (Stamfordham) by H. George 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R53 NZ07 “	£35	£18 £18
Soils of the Alnwick and Rothbury District by R.W. Payton 1:50 000 coloured soil map	M28 81	£40	£18
Nottinghamshire			
Soils and Land Use of the District North of Derby by E.M. Bridges 1:63,360 coloured soil map (Derby)	M9 125	£40	£18
Soils of the Melton Mowbray District by A.J. Thomasson 1:63,360 coloured soil map 1:63,360 coloured land use capability map	M17 142 “	£40	£18 £18
Soils in Nottinghamshire I (Ollerton) by J.D. Robson and H. George 1:25,000 outline soil map	R8 SK66	£24	£12
Soils in Nottinghamshire II (Newark-on-Trent) by P.A. Johnson 1:25,000 outline soil map 1:25,000 outline land use capability map	R26 SK85 “	£29	£12 £12
Soils in Nottinghamshire III (Worksop) by M.J. Reeve 1:25,000 outline soil map	R33 SK57	£33	£12
Soils in Nottinghamshire IV (Gringley on the Hill) by M.J. Reeve and A.J. Thomasson 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R72 SK78N/79S “	£35	£18 £18

Oxfordshire			
Soils of the Reading District by R.A. Jarvis 1:63,360 coloured soil map	M13 268	£40	£18
Soils of the Wantage and Abingdon District by M.G. Jarvis 1:63,360 coloured soil map 1:63,360 coloured land use capability map	M20 253 “	£40	£18 £18
Soils in Oxfordshire I (Witney South) by M.G. Jarvis and J. Hazelden 1:25,000 coloured soil map	R77 SP30	£30	£18
Soils in Oxfordshire II (Tiddington) by J. Hazelden 1:25,000 coloured soil map	R98 SP60	£22	£18
1:25,000 coloured soil map (Faringdon)	parts SU28, 29, 38 and 39		£18
Powys			
Soils in Powys I (Caersws) by J.W. Lea 1:25,000 outline soil map	R28 SO09	£24	£12
Soils in Powys II (Arddleen) by T.R.E. Thompson 1:25,000 coloured soil map	R75 SJ21	£30	£18
Soils in Powys III (Abbeycwmhir) by R. Hartnup 1:25,000 outline soil map	R113 SO07	£20	£12
Soils in Powys IV (Newtown) by R. Hartnup 1:25,000 outline soil map	R114 SO19	£20	£12
Shropshire			
Soils of the Wem District of Shropshire by E. Crompton and D.A. Osmond 1:63,360 coloured soil map	M1 138	£40	£18
Soils of the Church Stretton District of Shropshire by D. Mackney and C.P. Burnham 1:63,360 coloured soil map 1:63,360 outline land use capability map	M10 166 “	£40	£18 £12
Shropshire (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils of the Ludlow District by J.M. Hodgson 1:63,360 coloured soil map	M19 181	£40	£18
Soils in Salop I (Claverley) by J.M. Hollis 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R49 SO79E/89W “	£39	£18 £18
1:250,000 coloured soil map, Shropshire			£6
Somerset			
Soils of the Glastonbury District of Somerset by B.W. Avery 1:63,360 coloured soil map	M2 296	£40	£18
Soils of the Mendip District of Somerset by D.C. Findlay 1:63,360 coloured soil map (Weston-super-Mare) 1:63,360 coloured soil map (Wells)	M7 279 280	£40	£18 £18
Soils in Somerset I (Yeovil) by G.J.N. Colbourne and S.J. Staines 1:25,000 outline soil map	R111 ST41/ST51	£24	£12
1:50 000 coloured map, Thickness of Peat in the Somerset Moors	182 and 193		£18
1:25,000 outline soil map, Exmoor Forest	parts SS73, 74, 83 and 84		£12
Staffordshire			
Soils in Staffordshire I (Onecote) by J.M. Hollis 1:25,000 outline soil map	R29 SK05	£24	£12

Soils in Staffordshire II (Eccleshall) by R.J.A. Jones 1:25,000 outline soil map 1:25,000 outline land use capability map	R31 SJ82 “	£37	£12 £12
Soils in Staffordshire III (Needwood Forest) by R.J.A. Jones 1:25,000 coloured soil map	R80 SK02/12	£30	£18
Soils in Staffordshire IV (Lichfield) by J.M. Hollis 1:25,000 outline soil map	R89 SK00/10	£24	£12
Suffolk			
Soils in Suffolk I (Risby) by C.A.H. Hodge 1:25,000 outline soil map	R107 TL76/86	£20	£12
Soils in Suffolk II (Finningham) by C.A.H. Hodge 1:25,000 outline soil map	R108 TM06	£20	£12
Surrey			
Soils in Surrey I (Woking) by S.J. Fordham 1:25,000 outline soil map	R90 TQ05	£20	£12
Sussex			
Soils of the West Sussex Coastal Plain 1:25,000 coloured soil map (Chichester) 1:25,000 coloured soil map (Bognor Regis) 1:25,000 coloured soil map (Selsey Bill) 1:25,000 coloured soil map (Worthing)	B3 SU70/80 SU90 SZ79/89 TQ00/10	£50	£18 £18 £18 £18
Warwickshire			
Soils in Warwickshire I (Leamington Spa) by W.A.D. Whitfield 1:25,000 outline soil map	R19 SP36	£24	£12
Soils in Warwickshire II (Alcester) by W.A.D. Whitfield 1:25,000 outline soil map	R25 SP05	£29	£12
Soils in Warwickshire III by W.A.D. Whitfield and G.R. Beard 1:25,000 coloured soil map (Rugby West) 1:25,000 coloured soil map (Wolvey)	R45 SP47 SP48	£35	£18 £18
Soils in Warwickshire IV (Nuneaton) by W.A.D. Whitfield and G.R. Beard 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R66 SP29/39 “	£39	£18 £18
Warwickshire (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in Warwickshire V (Coventry South) by G.R. Beard 1:25,000 coloured soil map	R81 SP27/37	£30	£18
Soils in Warwickshire VI (Stratford-upon-Avon east) by W.A.D. Whitfield 1:25,000 outline soil map	R101 SP25/35	£20	£12
Wiltshire			
Soils of the Southern Cotswolds by D.C. Findlay 1:63,360 coloured soil map (Malmesbury and Bath)	M22 251 and 265	£40	£18
Soils in Wiltshire I (Wilton) by D.W. Cope 1:25,000 outline soil map 1:25,000 outline land use capability map	R32 SU03 “	£37	£12 £12
Soils in Wiltshire II (Devizes) by D.C. Findlay 1:25,000 outline soil map	R91 SU05N/06S	£20	£12
Yorkshire, North			
Soils of the Leeds District by A. Crompton and B. Matthews 1:63,360 coloured soil map	M14 70	£40	£18
Soils of the Market Weighton District by S.J. King and R.I. Bradley 1:50 000 coloured soil map	M26 106	£40	£18

Soils of the North York Moors by D.M. Carroll and V.C. Bendelow 1:100 000 coloured soil map 1:100 000 coloured land use capability map	SS13	£49	£18 £18
Soils in Yorkshire I (York east) by B. Matthews 1:25,000 outline soil map	R6 SE65	£24	£12
Soils in Yorkshire III by P. Bullock 1:25,000 outline soil map (Escrick) 1:25,000 outline soil map (Barmby Moor)	R16 SE64 SE74	£33	£12 £12
Soils in North Yorkshire I (Westow) by B. Matthews 1:25,000 outline soil map	R23 SE76	£28	£12
Soils in North Yorkshire II (Boroughbridge) by R. Hartnup 1:25,000 outline soil map	R30 SE36	£24	£12
Soils in North Yorkshire III by V.C. Bendelow and D.M. Carroll 1:25,000 outline soil map (Pickering Moor) 1:25,000 outline land use capability map (Pickering Moor) 1:25,000 outline map (Troutdale) 1:25,000 outline land use capability map (Troutdale)	R35 parts of SE79/89 " parts of SE88/89/98/ 99 "	£45	£12 £12 £12 £12
Soils in North Yorkshire IV (Selby) by R.R. Furness and S.J. King 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R56 SE63/73 "	£35	£18 £18
Soils in North Yorkshire V by V.C. Bendelow and D.M. Carroll 1:25,000 coloured soil map (Upper Ryedale) 1:25,000 coloured land use capability map (Upper Ryedale) 1:25,000 coloured soil map (Rievaulx) 1:25,000 coloured land use capability map (Rievaulx)	R58 parts of SE49 and 59 " SE58 "	£45	£18 £18 £18 £18
Soils in North Yorkshire VI (Northallerton) by J.W. Allison and R. Hartnup 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R68 SE39 "	£35	£18 £18
Soils in North Yorkshire VII (Dalton) by R.I. Bradley and J.W. Allison 1:25,000 outline soil map	R87 SE47	£24	£12
Yorkshire, North (continued)	Book / map reference	Book with map(s)	Map sold separately
Soils in North Yorkshire VIII (Wykeham Abbey) by S.J. King 1:25,000 outline soil map	R96 SE97N/98S	£20	£12
Yorkshire, South			
Soils of South and West Yorkshire by D.M. Carroll, R. Hartnup and R.A. Jarvis 1:250,000 coloured soil map	B7	£42	£12
Soils in Yorkshire II (Armthorpe) by R.A. Jarvis 1:25,000 outline soil map 1:25,000 outline land use capability map	R12 SE60 "	£33	£18 £18
Soils in South Yorkshire I (Maltby) by R. Hartnup 1:25,000 coloured soil map 1:25,000 coloured land use capability map	R42 SK59 "	£39	£18 £18
Yorkshire, West			
Soils of South and West Yorkshire by D.M. Carroll, R.Hartnup and R.A. Jarvis 1:250,000 coloured soil map	B7	£42	£12
Soils of the Leeds District by A. Crompton and B. Matthews 1:63,360 coloured soil map	M14 70	£40	£18

Soils of the Castleford area of Yorkshire by R. Hartnup and R.A. Jarvis	SS8 parts of SE31/32/41/42	£24	£12
1:25,000 outline soil map			

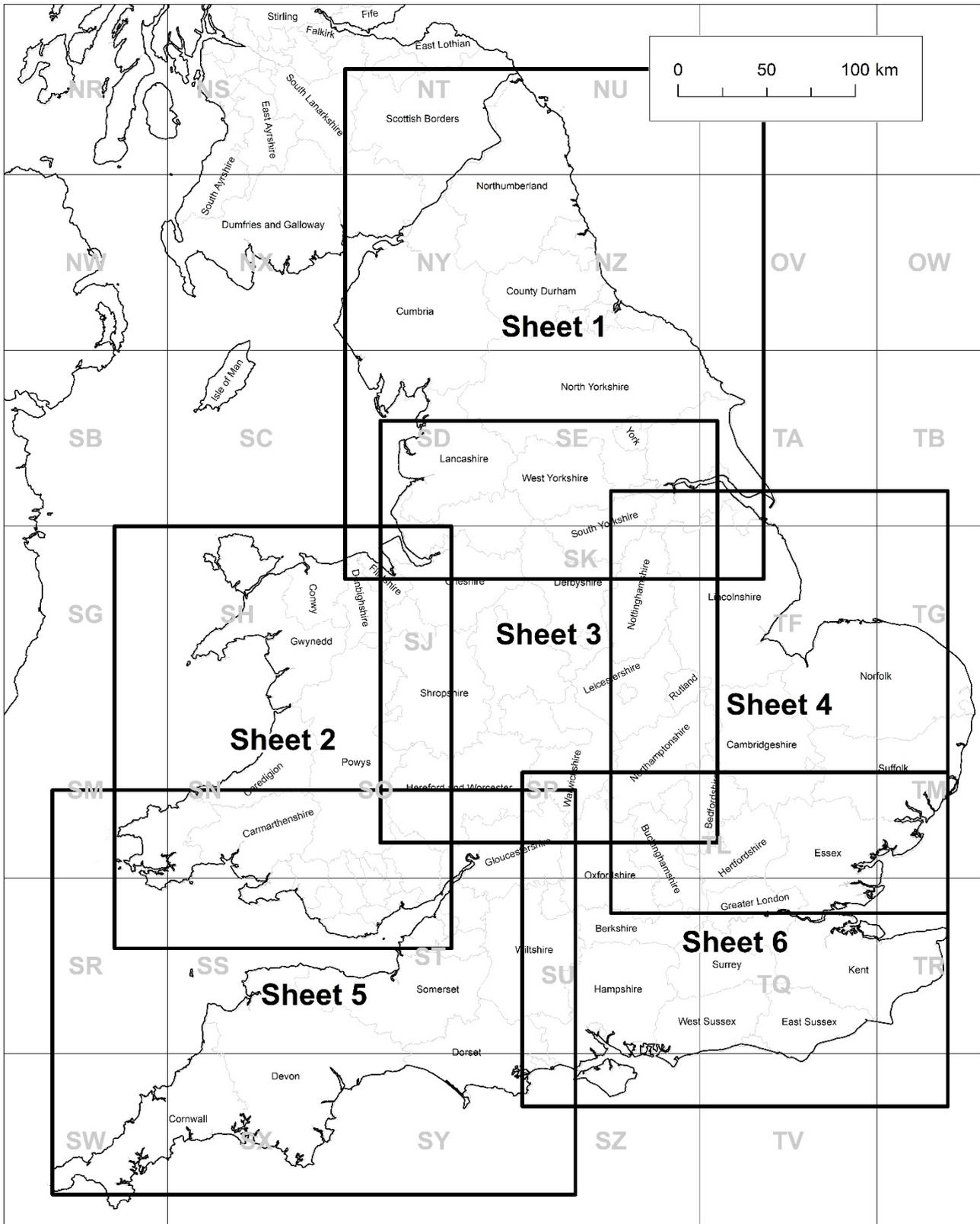
Technical and Research Reports

Technical monographs	Reference	Book
Soil Survey Field Handbook (Ed. J.M. Hodgson) Third Edition	TM5	£30
Soil Survey Laboratory Methods (Ed. B.W. Avery and C.L. Bascomb)	TM6	£22
Water Retention, Porosity and Density of Field Soils by D.G.M. Hall, M.J. Reeve, A.J. Thomasson and V.F. Wright	TM9	£22
Mineralogy of Clayey Soils in Relation to Soil Classification by B.W. Avery and P. Bullock	TM10	£22
Soil Water Regimes by J.D. Robson and A.J. Thomasson	TM11	£22
Grid Sampling and Computer Mapping of the Ivybridge Area, Devon, by R. Webster, T.R. Harrod, S.J. Staines and D.V. Hogan	TM12	£22
Soil Survey Applications (Ed. M.G. Jarvis and D. Mackney)	TM13	£22
Soil Classification for England and Wales by B.W. Avery	TM14	£22
Climatic Classification of England and Wales by V.C. Bendelow and R. Hartnup (with four maps: see page 4)	TM15	£35
An Agroclimatic Databank for England and Wales by R.J.A. Jones and A.J. Thomasson (with four maps: see page 4)	TM16	£35
Criteria for Differentiating Soil Series by B. Clayden and J.M. Hollis	TM17	£29
Soil Survey Methods: A Review by B.W. Avery	TM18	£29
Research reports		
Land suitability for autumn-sown determinate lupins by P.A. Siddons, R.J.A. Jones, J.M. Hollis, S.H. Hallett, G.F.J. Milford and T. Scott	RR1	£11
Sustaining land resources, the role of soil information in planning the sustainable use of land resources by T.R.E. Thompson and E. Peccol	RR2	£22
Other publications		
Down to Earth: An Introduction to Soils by Stephen Nortcliff, Leicestershire Museums	Number 52	£10
The Effects of Future Climatic Change on Crop Potential and Soil Tillage Opportunities in England and Wales by A.P. Brignall, University of Oxford, and M.D.A. Rounsevell		£15

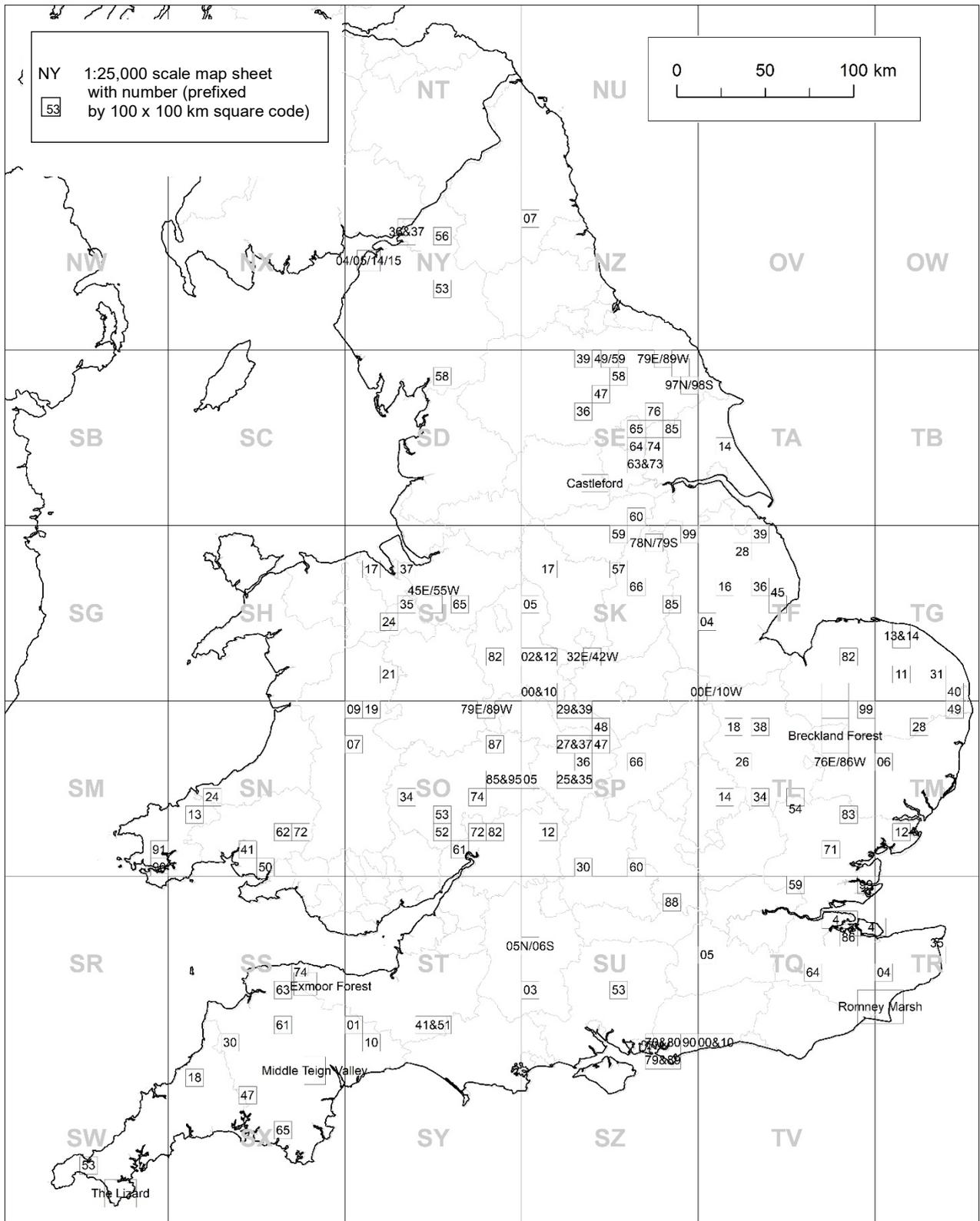
Found what you were looking for?

Our soils publications are extensive and cover a broad range of contemporary soil conditions across England and Wales. However, these data are the result of a process of ongoing soil survey that commenced in the 1930s. Many of the older materials we have in our archive may be available for consultation on our WOSSAC website at <http://www.wossac.com>, along with soil records from elsewhere in the world. Otherwise get in touch and we can assist you.

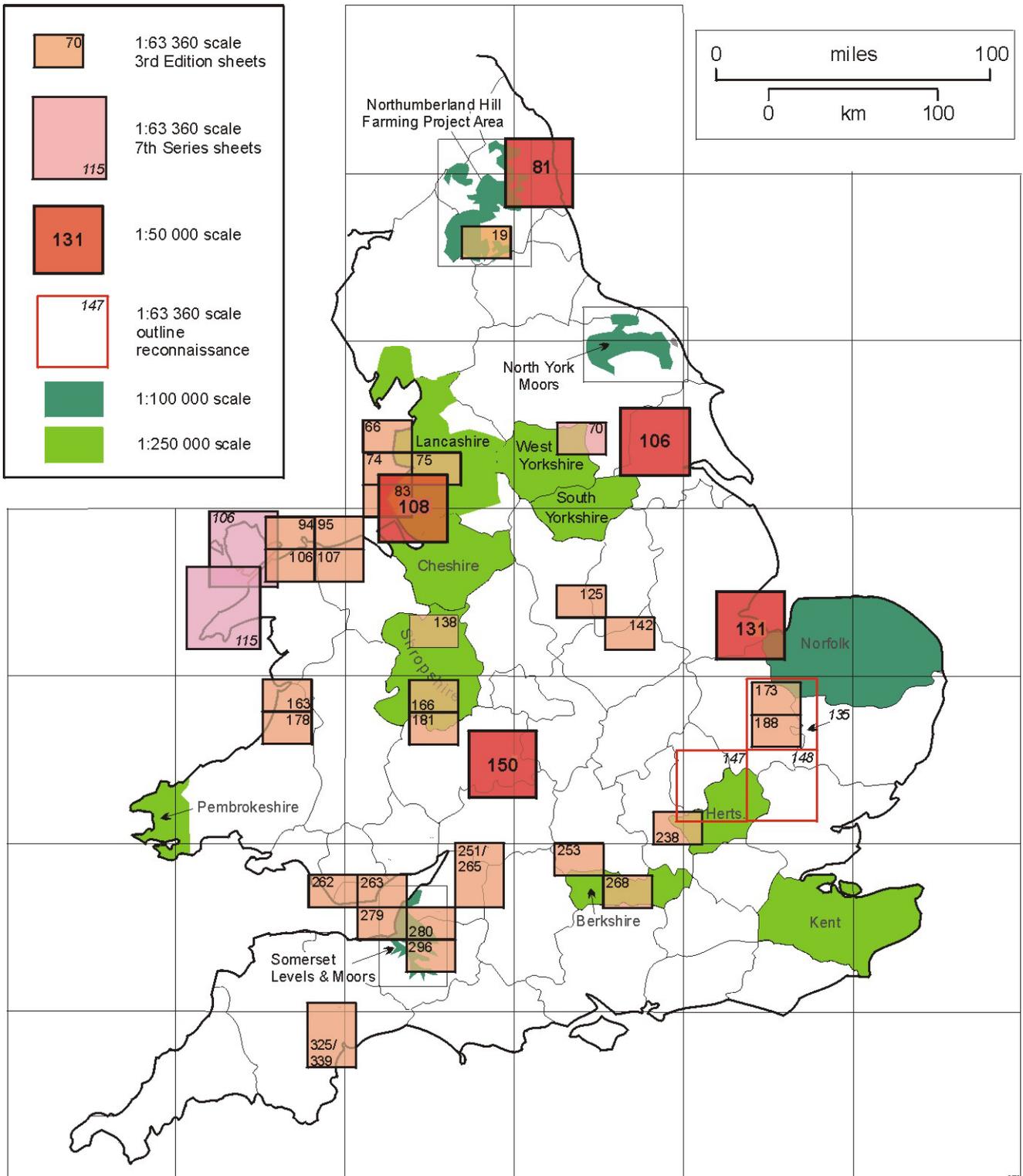
**MAP SHEETS of the 1:250,000 scale
National Soil Map of England and Wales**



**SOIL MAPS at 1:25,000 (2½" to 1 mile)
for England and Wales**



SOIL MAPS at 1:63,360 (1" to 1 mile), 1:50 000 and small scale maps for England and Wales



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Paper Publications Contact

For further information regarding obtaining these paper publications please contact:

Sara Larman

Publications Officer and Administrative Coordinator
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Bullock Building (B53)
Cranfield University
Cranfield
Bedfordshire
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www.landis.org.uk

Digital Data

Cranfield Environment Centre offers an extensive range of digital data products that characterise the soil resources of England and Wales. These data are available under licence and are used by a wide range of organisations involved in water, waste, environment, conservation, property, construction, minerals, insurance and food and timber production.

Full details of the digital datasets available are at <http://www.landis.org.uk/data/datafamilies.cfm>.

National Soil Map Package

Digital versions of the 1:250,000 scale National Soil Map describe the spatial distribution of soils across England and Wales at different scales. Options range from a precise vector representation of the original map registered to the Ordnance Survey 1:50,000 scale base map to a simplified 5x5km raster version indicative of the broad distribution of soil properties.

NATMAP vector	1:250,000 digital National Soil Map for England and Wales
NATMAP soilscapes	Reclassification of NATMAP vector into broad soil/landscape classes
NATMAP 1000 and 5000	Proportions of soil types within each 1x1km and 5x5 km grid squares across England and Wales

Soil Types Package

Representative values of soil series and horizon properties for each of the soil types present in the NATMAP data sets describe either the whole soil, normally the top metre, or individual layers that make up the soil profile. A range of interpretation keys enable soil maps to be converted into land suitability, vulnerability and risk ratings.

SOILSERIES Info	this includes basic soil information including the modern definition of soil series
SOILSERIES Pesticides	this dataset is useful for modelling and predicting the movement and attenuation (fate and behaviour) of pesticides in soil, based on leaching and runoff classes
SOILSERIES Hydrology	this detailed dataset contains hydrological properties of the soil and associated rivers. It is useful for many types of hydrological models
SOILSERIES Agronomy	this provides information on the available soil water for mainstream crops for the different soil types across England and Wales
SOILSERIES Leacs	the Leacs data product is used by almost all the major water companies as part of their pipe replacement programme as part of their strategic Asset Management Plans (AMPs). Because soils are variably aggressive to pipes, knowing which pipes will need replacing first can save significant sums

HORIZON Fundamentals	these data detail the properties of each of the soil horizons (layers) from the topsoil to the parent material. Information includes textural properties along with layer thicknesses. It provides different information for the same soil series under different land uses
HORIZON Hydraulics	these data detail the properties of each of the soil horizons (layers) from the topsoil to the parent material. Information includes hydraulic properties along with layer thicknesses. It provides different information for the same soil series under different land uses

National Soil Inventory (NSI) Package

National Soil Inventory (NSI) data record the soil at each intersect on a 5x5km grid across England and Wales. The information was collected by way of a grid survey and, for each grid intersect, there is detailed point information.

NSI site	information regarding the general site conditions for each location
NSI profile	detailed soil information recorded for each distinct layer down through the soil profile for each location
NSI topsoil	data on a range of inorganic topsoil analyses including total and available/extractable nutrients and heavy metals
NSI textures	soil texture information for each point
NSI features	variables derived from the NSI profiles that can be used as parameters in various modelling exercises

Field Surveys

Site and profile data for auger bore samples and soil pits. The data were recorded in the field and collected during the National Soil Map and subsequent mapping projects.

Digital Datasets Contact

For further information regarding Digital Data information please contact the following persons:

For general LandIS enquiries and information on specific datasets:

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For new or existing data licences, renewals, modifications or updates:

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Software Tools

CatchIS - Catchment Information System

CatchIS is a tool for planning the strategic and operational management of both surface and underground waters (aquifers) and for intervention in the management of land where appropriate. CatchIS is aimed at those characterising catchment conditions for instance in addressing the requirements of the Water Framework Directive.

<http://www.landis.org.uk/services/catchis.html>

LEACS - Land Evaluation for Corrosivity and Shrinkage

Cranfield have created a valuable software tool to assist in the planning and maintenance of underground assets such as pipe work, ducts, cables and any other ferrous materials subject to corrosive attack from soil and water. LEACS provides spatial risk assessments of potential damage to such assets and can be used as a key component of Asset Management Plans (AMP).

<http://www.landis.org.uk/services/leacs.html>

Software Tools Contact

For further information regarding Digital Data information please contact:

The data lease team as above

~ or ~

Professor Stephen Hallett

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Accessing LandIS data electronically

Mapshop

<http://www.landis.org.uk/mapshop.cfm> - The Cranfield Mapshop is a web portal managed and operated by Cranfield Innovative Manufacturing Ltd. Using this website allows you to purchase high quality, up-to-date geographical data, including soils maps, interpreted soil maps, aerial photography and height data. Other datasets and types of data are continually added to the website so it is always worth coming back to see what's new. The Cranfield Mapshop offers the ability to search and view your area of interest then purchase digital maps, orthorectified aerial photography. It also offers digital height data in the form of Digital Terrain and Surface Models. The digital products can be downloaded from our secure server. Please note the system is only available for purchases of around 3000 km² or less. Bona-fide researchers and Charities are able to purchase the data with a 99% reduction on the royalty cost. If you register as a bona-fide researcher, please provide details of the research and project you require the data for each time, as we need to authorise such purchases.

Other Online Resources from Cranfield University

SoilScapes Viewer

<http://www.landis.org.uk/services/soilscapes.html> - A freely available and accessible simplified edition of the national soil map has been placed online and made available as a resource for investigating the soil resources of your region. The Soil-Scapes viewer presents an easy-to-use window onto the soils of England and Wales. You can search a location by Postcode or grid reference and see the soil types and the properties of the soils.

Soil Site Reporter

<http://www.landis.org.uk/services/soil-site-reporter.html> - A customised reporting module, which for a modest fee provides extensive soil and environmental information for a selected area of interest, for instance a Postcode.

Soils Guide

<http://www.landis.org.uk/soilsguide/index.cfm> - An interactive guide to explore the various soils of England and Wales. You can use the tool to 'drill down' into the various recognised soils categories to understand their composition and properties.

Soil Alerts for the Sustainable Management of Soil

http://www.landis.org.uk/soilsguide/soil_alerts.cfm - Soil Alerts are intended to draw attention to certain characteristics of soils that are likely to be significant to the outcome of environmental and engineering projects. They are linked to both soil associations and series which are found in the Soils Guide section of LandIS.

World Soil Survey Archive and Catalogue - WOSSAC

<http://www.wossac.com> – WOSSAC is an extensive international archive of many thousands of soil-related artefacts including maps, books, reports, surveys, GIS data and satellite imagery relating to over 25,600 items from nearly 386 territories worldwide with items, most unique, stretching back from the present day to 1848. Cranfield University have brought these items together in a curated and managed archive which is made available for stakeholders and scholars.

Soil-Net.com

<http://www.soil-net.com> - Soil-Net.com is a free and compelling environmental Internet resource for Key Stages 1-4 providing teachers and students extensive curriculum-based information about soil. As one of the three major natural resources, alongside air and water, soil is vital to the existence of life on earth. Soil-Net.com will help you discover what soil is, the teeming life in soil and about the many environmental threats facing soils. Remember, soil is all around us, just under our feet!

Soilsworldwide.net

<http://www.soilsworldwide.net> - A free soils-related resource for researchers wishing to learn about soil. Soilsworldwide also presents the extensive SoilPIC collection of soil profile and landscape photography from around the world.

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*By agreement with the Government, the Cranfield Environment Centre of Cranfield University ([www.landis.org.uk](http://www.landis.org.uk)) is the sole supplier of national soil data for England and Wales. Soils data for Great Britain are available through a partnership with the James Hutton Institute in Scotland.*

*Within Cranfield University, CEC incorporates the former National Soil Resources Institute and the Soil Survey and Land Research Centre.*

*CEC data are available under annual renewable licence on payment of a licence fee. This comprises a one-off preparation and administration fee and a renewable annual royalty charge. Under an agreement with the Government, royalty concessions are available for bona fide research users and Crown departments and their contractors. Every attempt is made to supply data in the desired format. The information contained in this brochure was correct at the time of going to press\*.*

*\*Errors and Omissions excepted*